

ID Number	Solution	User Score	Vendor Score	Researcher Score	Combined Score
2.1.1	Showstopper – must be resolved. Issue: Lack of comprehensive non-shape product definitions – CAD Tolerance Data, material properties, optical properties would be etc.	25	34	12	71
3.1.1	Resolve IP, legal issues	8	23.5	4	35.5
1.1.1	To develop a shared vision, gather parties - what are vendor (CAD, metrology, Product Lifecycle Management (PLM - e.g. PTC, UG, Autodesk, Dassault) business objectives, what are user (eg. AIAG, suppliers,) business objectives, what are government and standards organizations objectives, find alignment between them. Solution must be win-win for all.	6	21.5	6	33.5
3.3.1	Extend I++ DME	5	21	4	30
4.1.1	Provide unified data models for single part inspection measurement results	1	16.5	15	32.5
2.2.1	Define extensible interface standard for measurement, knowledge, rules, best practices	5	16		21
1.3.1	CAD community puts associated GD&T in their data formats. This requires consensus. This is related to the meta-issue of lack of business case consensus.	8	12.5		20.5
3.2.1	Resolve I++ DME v. DMIS Part 2 issue	4	12		16
4.2.1	Develop unified data model	4	11	5	20
1.2.2	A standard data format, STEP	4	10	4	18
2.3a.2	Need better sensor model for plug and play	1	8		9
3.4.1	Establish a formal framework	3	8	3	14
2.3b.1	Verify DMIS against various measuring	10	6		16
4.3.1	Handle large data and provide acceptable performance	3	6	8	17
2.3a.3	Define a common standard method of communicating measurement resource information	1	4		5
2.3c.1	Define content of the interface.	2	4		6
3.5.1	Remove barriers to implementation		4		4
1.2.1	Realize an api-based solution.	3	3	6	12
4.6.1	Capture and identify best practices and unify into a single standard		3	1	4
4.5.1	Augment data model for feedback to manufacturing	3	2	2.5	7.5
4.7.1	Develop a methodology to change the measurement and sampling plan based on measurement results		2	6.5	8.5
2.3a.1	Assess various measuring system capabilities & resource configuration information	2	1		3
4.4.1	Augment data flow models to uniformly integrate data from different sources into single part and summary report data models	4	1	3	8
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Instructions: You have a total of ten "metrology dollars" that may be "spent" to indicate your support for the solutions listed on this sheet. You may spend up to three dollars on any one solution. Therefore, you should show support for at least four solutions. Only one ballot per person please.

Key:
1.x.y - Product Definition
2.x.y - Process Definition
3.x.y - Process Execution
4.x.y - Analysis & Reporting

